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ROUTINE

25X1A
IN 84771

TO DIRECTOR

FROM [REDACTED]

ACTION:

INFO

OSA 1-15

DOCUMENT NO. 74

NO CHANGE IN CLASS. ☒

☐ DECLASSIFIED

CLASS. CHANGED TO: TS S C 2011

NEXT REVIEW DATE:

AUTH: HR TS-2

DATE: 30 Aug 81

REVIEWER: 008632

CITE

4454

EALIST

REF CARRIER LAUNCH/RETRIEVAL

1. SUGGEST FOLG BE CONSIDERED IN TEST OF CARRIER MODIFICATION.
2. TRAVEL OF POGOS AFTER THEY LEAVE AIRCRAFT ON TAKE OFF.

CAN THEY BE RETREIVED?

3. CARRIER DECK LIGHTS PROTRUDING ABOVE DECK WALL IMPOSE HIGH SHOCK LOAD ON AIRCRAFT LANDING GEAR IF HIT ON TAKE OFF OR LANDING ROLL.

4. IF AIRCRAFT DOES NOT ENGAGE HOOK IN CENTER OF ARRESTING WIRE SIDE LOAD ON GEAR MAY BE EXCEEDED.

5. WILL [REDACTED] STAY ON MOUNTING BRACKETS IN ARRESTED LANDING?

6. WILL COCKPIT SECTION REQUIRE ADDITIONAL STRUCTURE TO KEEP IT ON THE AIRCRAFT?

7. WILL WING STRUCTURE OR MOUNTING BOLTS TAKE STRESSES OF ABRUPT STOP? REPEATED LANDINGS MAY CAUSE TWISTING MOMENT AND RESULTANT MAY CAUSE FUEL LEAKS AND METAL FATIGUE.

SECRET

GROUP 1
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PAGE TWO

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8. EFFECT ON ELECTRONIC SYSTEMS, ESPECIALLY CRITICAL TUNING
OF ██████████ SYSTEMS.

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9. WILL HOOK AND CABLE HOLD ██████████ AT TAKE OFF POWER JUST
AS HOOK ENGAGES WIRE, ASSUMING POWER IS APPLIED AT TOUCHDOWN
AS IN NORMAL NAVY PRACTICE.

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10. CAN PILOT HOLD ██████████ LEVEL UNTIL HE REDUCES POWER
AFTER HOOK ENGAGEMENT?

11. LANDING SHOCK MAY BE CRITICAL FOR SEXTANT, DRIFTSIGHT
— OPTICS, CAMERA OPTICS.

12. HARD LANDING MAY "SET UP" FILM ROLLS IN CAMERA, RESULTING
IN STATIC MARKS OR EMULSION SCRATCHES.

13. ANY CHANCE OF SETTING OFF DETONATOR EITHER FROM SHOCK OF
IMPACT OR INADVERTENT CIRCUIT ACTIVATION?

14. LANDING SHOCK MIGHT AFFECT AUTO-PILOT AND INSTRUMENT
SYSTEMS SUCH AS GYRO GIMBOLS. MAY NEED MORE RUGGED INSTRUMENTS.

15. WHAT IS EFFECT OF REPEATED ARRESTED LANDINGS ON Q-BAY
PRESSURE SEALS?

END OF MESSAGE

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